Chemical Geology, 104 (1993) 307–308
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 104, 1993

Research Papers

Chemical composition and evolution of the upper continental crust: Contrasting results from surface samples and shales
K.C. Condie 1
Nd isotope evidence for crust–mantle interaction in the generation of A-type granitoid suites in Labrador, Canada
A. Kerr and B.J. Fryer 39
Geochemistry of Miocene basaltic rocks temporally straddling the rifting of lithosphere at the Akita–Yamagata area, northeast Japan
O. Ujike and N. Tsuchiya 61
The plutonic rocks of the Elbe valley-zone (Germany): evidence for the magmatic development from single-zircon evaporation and K–Ar age determinations
Th. Wenzel, M. Hengst and J. Pilot 75
Fluoride precipitates in silicate wet-chemistry: implications on REE fractionation
R.H. Boer, G.J. Beukes, F.M. Meyer and C.B. Smith 93
Application of element concentration variability to the study of basalt alteration (Fangataufa atoll, French Polynesia)
P. Schiano, B. Dupré and E. Lewin 99
Hydrothermal interaction between basaltic glass, deionized water and seawater
M.R. Ghiara, E. Franco, C. Petti, D. Stanzione and G.M. Valentino 125
Thermodynamics of aqueous gallium chloride: Activity coefficients in dilute and high chloride solutions with consideration of the effects of hydrolysis and chloride complex formation
P.F.M. van Gaans 139
The origin of sulfide mineralization in arenaceous rocks beneath carbonaceous horizons in fluvial depositions of late Paleozoic through Cenozoic age (SE Germany)
H.G. Dill, H. Wehner and N. Blum 159
Determination of the platinum-group elements and gold in solid samples by slurry nebulisation ICP–MS
M. Totland, I. Jarvis and K.E. Jarvis 175
Mn^{2+}-activated luminescence in dolomite, calcite and magnesite: quantitative determination of manganese and site distribution by EPR and CL spectroscopy
A. El Ali, V. Barbin, G. Calas, B. Cervelle, K. Ramseyer and J. Bouroulec 189
Boron, beryllium and sulfur in Holocene sediments and peats of the Nile delta, Egypt: Their use as indicators of salinity and climate
J. Dominik and D.J. Stanley 203
Light hydrocarbon gases in Lake Tanganyika hydrothermal fluids (East-Central Africa)
R.W. Botz and P. Stoffers 217

Isotope Geoscience Section

Research Papers

Apatite fission-track analysis of Oligocene strata in South Texas, U.S.A.: Testing annealing models
J.D. Corrigan 227
Assessment of overetching factor for confined fission-track length measurement in zircon
R. Yamada, T. Tagami and S. Nishimura 251
Contrasting Pb isotopic compositions in two intrusive complexes of the Gardar Magmatic Province of South Greenland
P.N. Taylor and B.G.J. Upton 261
Strontium and sulphur isotope geochemistry of low-temperature barite–fluorite veins of the Catalonian Coastal Ranges (NE Spain): a fluid mixing model and age constraints
A. Canals and E. Cardellach 269
Effects of low-temperature alteration on the Rb–Sr age of andesitic igneous rocks: Park Volcanics Group, Southland, New Zealand
I.J. Graham, D.S. Coombs and N.D.J. Cook 281
New constraints on the ^{138}La β-decay constant based on a geochronological study of granites from the Yilgarn Block, Western Australia
A. Makishima, E. Nakamura, S. Akimoto, I.H. Campbell and R.I. Hill 293

0009-2541/93/$06.00 © 1993 Elsevier Science Publishers B.V. All rights reserved.

Isochron or mixing line?
I. Wendt 301

Contents Volume 104, 1993 307